

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James H. Schaffner, et al.) Re: Information Disclosure Statement
)
Serial No.: not yet assigned)
Filed: concurrently herewith) Group: not yet assigned
)
Divisional of USSN <u>10/154,580</u> filed on <u>May 23, 2002</u>) Examiner: not yet assigned
)
For: "AN ANTENNA SYSTEM AND RF SIGNAL INTERFERENCE ABATEMENT METHOD) Our Ref: B-4032DIV2 621826-1
)
) Date: April 16, 2004

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the Applicant's duty to disclose information which may be material to the examination of this application, the undersigned respectfully requests that the documents cited by the Examiner and/or submitted by the Applicant in connection with U.S. Serial No. 10/154,580 filed on May 23, 2002 (the parent of the Applicants' subject application) be considered by the Examiner before issuing the first Office Action on the merits.

For the Examiner's convenience, Form PTO-1449 (modified) is enclosed herewith listing the documents cited by the Examiner and/or submitted by the Applicant in connection with U.S. Serial No. 10/154,580.

The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

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If any fees are due, please charge our Deposit Account No. 12-0415 or credit any overpayment to our Account No. 12-0415. No fees should be due because this Information Disclosure Statement is being filed concurrently with the above-identified U.S. patent application.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

The person making this statement is the practitioner who signs below on the basis of information supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)) and on the basis of information in the practitioner's file.

Respectfully submitted,



Richard P. Berg
Attorney for Applicant
Reg. No. 28,145

LADAS & PARRY
5670 Wilshire Boulevard
Suite 2100
Los Angeles, CA 90036
Telephone: (323) 934-2300
Telefax: (323) 934-0202

Enclosures: Form PTO-1449 (modified) (2 pages)

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Form PTO-1449 (Modified)	ATTY DOCKET NO. B-4032DIV2 621826-1	U.S. SERIAL NO. not yet assigned
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANT(S) James H. Schaffner, et al.	
	FILING DATE concurrently herewith	GROUP not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
	5,430,656	7/1995	Dekel et al.	364	449	
	5,512,902	4/1996	Guthrie et al.	342	357	
	5,548,294	08-1996	Sturza	342	372	
	5,625,729	4/1997	Brown	385	31	
	5,570,097	10/96	Aguado	342	357	
	5,712,641	1/1998	Casabona et al.	342	362	
	5,821,908	10/1998	Sreenivas	343	911 R	
	5,886,666	3/1999	Schellenberg et al.	342	357	
	6,018,316	1/00	Rudish et al.	342	361	
	6,018,659	1/00	Ayyagari et al.	455	431	
	6,084,540	7/2000	Yu	342	17	
	6,166,679	12/2000	Lemelson et al.	342	45	
	6,356,247	3/2002	Hirtzlin et al.	343	911L	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
1 098 455 A2	5/2001	EP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Blas, J.M., et al., "GPS Adaptive Array for Use in Satellite Mobile Communications," <i>Satellite Systems for Mobile Communications and Navigation Conference Publication</i> , May 13-15, 1996, pp 28-31.
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	Fante, R.L., et al., "Cancellation of Jammers and Jammer Multipath in a GPS Receiver," <i>IEEE AES Systems Magazine</i> , November 1998, pp 25-28.
	GPS NAVSTAR, "Global Positioning System Standard Positioning Service Signal Specification," 2nd Ed., June 2, 1995.
	Matthaei, G., et al., <i>Microwave Filters, Impedance-Matching Networks, and Coupling Structures</i> , Artech House Books, Dedham, MA, Chapter 16, pp 965-1000, 1980.
	Padros, N., et al., "Comparative Study of High-Performance GPS Receiving Antenna Designs," <i>IEEE Trans. Antennas and Propag.</i> , Vol. 45, No. 4, April 1997, pp 698-706.
	Schrank, H., et al., "A Luneberg-Lens Update," <i>IEEE Antennas and Propagation Magazine</i> , Vol. 37, No. 1, February 1995, pp 76-79.
	"A Low-Profile Luneberg Lens Airborne GBS Antenna." INTERNET: < http://www.ecs.umass.edu/ece/allerton/papers/GBS/ > 7 pages (visited 5/1/01).
	"Luneberg Lenses Made of Open-Cell Polyurethane Foams." INTERNET: < http://www.nasatech.com/Briefs/Jan99/NPO20339.html > 1 page (visited 5/1/01).
	"SiRF Technology, Inc. - GPS Technology White Paper." INTERNET: < http://www.sirf.com/gps_tech_white_paper.htm > 7 pages (visited 5/1/01).
	"NAVSTAR GPS Operations - USNO NAVSTAR Global Positioning System." INTERNET: < http://tycho.usno.navy.mil/gpsinfo.html > 2 pages (visited 5/1/01).

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.